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|-----------|--------|-----------------|------------|
| 4,947,896 | 8/1990 | Bartlett | 128/11 |
| 4,949,716 | 8/1990 | Chenoweth | 128/207.14 |
| 4,982,729 | 1/1991 | Wu | 128/11 |

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- [57] ABSTRACT

- An endotracheal tube intubation assist device in which all endoscope is utilized to provide a visual image as an aid in performing the intubation of an endotracheal tube within a patient's trachea. The assist device includes a handle, a malleable elongated insertion section and an endoscope assembly having a viewing end mounted within the insertion section to provide a visual image of the trachea. In use, the endotracheal tube is placed around the insertion section and removably attached to the handle for insertion into the trachea. The malleable insertion section can be bent by the attending medical personnel for providing a custom fit for the patient at hand. The handle of the assist device is also formed with an oxygen supply conduit for supplying oxygen to the patient during the intubation process. Additionally, the handle includes a suction port for attaching a suction tube for evacuation of the trachea during the intubation process.

3 Claims, 3 Drawing Sheets

- [58] **Field of Search** 128/6, 11, 207.14, 207.15,
128/200.26

U.S. PATENT DOCUMENTS

- | | | | |
|-----------|---------|---------------------|--------|
| 3,677,262 | 7/1972 | Zukowski | 128/6 |
| 3,776,222 | 12/1973 | Smiddy | 128/6 |
| 4,427,000 | 1/1984 | Ueda | 128/6 |
| 4,688,554 | 8/1987 | Habib | 128/4 |
| 4,714,075 | 12/1987 | Krauter | 128/4 |
| 4,736,733 | 4/1988 | Adair | 128/6 |
| 4,754,328 | 6/1988 | Barath | 358/98 |
| 4,755,873 | 7/1988 | Kobayashi | 358/98 |
| 4,758,222 | 7/1988 | McCoy | 604/95 |
| 4,782,819 | 11/1988 | Adair | 128/6 |
| 4,846,153 | 7/1989 | Berci | 128/6 |
| 4,905,669 | 3/1990 | Bullard et al. | 128/11 |

